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## ADDIO Services Technical Information Agency

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## PRINCETON UNIVERSITY PRINCETON, NEW JERSEY SCHOOL OF ENGINEERING, JOHN C. GREEN FOUNDATION

TOF AERONAUTICAL ENGINEERING
FORRESTAL RESEARCH CENTER

January 4, 1956

To:

Commanding Officer

Office of Naval Research Air Branch/ Code 461 Department of the Navy Washington 25, D. C.



Subject:

Tandem Helicopter Stability Program, Status Report for

the month of December, 1955.

Contract N6 onr-27024

Flight Test Operations:

Calibration of the revised instrumentation system is underway. Various breakdowns of assorted electronic components have delayed this work, but it is expected that it will shortly be completed and data flights resumed.

While we achieved acceptable success for the longitudinal investigations experience suggested improvements of the entire system and these have been incorporated during the required changes for lateral stability analysis. Unfortunately an unusual amount of small, but vital, electrical troubles have plagued the conversion. Furthermore, the nature of the troubles is such that only one technician can be employed because of space limitations of the helicopter. This man has been, and continues, on overtime status.

Theoretical Analysis:

The work of resolving the discrepancy between flight measured control and theoretical responses, as mentioned in the December report, is

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continuing as are the theoretical studies for the lateral stability cases.

Very truly yours,

LEONARD GOLAND

Chief Project Engineer

LG/nt ee;

3 - Commanding Officer, ONR, Wash.

1 - Lcdr. A. D. Struble

1 - J. Levy, ONR, N. Y.

1 - Special Devices Center - Code 910

1 - R. Booth, DE 31, BuAer

8 - Office Chief of Trans. Dept. of the Army

1 - Asst. Chief of Staff, G-4, R & D

1 - Commanding General, Fort Monroe, Virginia ATDEV-6 1 - David Taylor Model Basin, Maryland - Code 634

1 - President, Board No. 6, CONARC, Camp Rucker, Alabama

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